

Serial No. 09/933,220

Docket No. 10012237-1

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A user interface for use with a computer including a display, comprising:
 - an at least partially transparent roller;
 - a touch pad, adjacent to the roller, adapted to move a pointer on the display; and
 - a sensor system, associated with the roller, operable in a first mode to sense an image of a fingerprint and operable in a second mode to sense rotational motion of the roller.
2. (Canceled)
3. (Previously Presented) A user interface as claimed in claim 1, further comprising:
 - a button.
4. (Currently Amended) A user interface as claimed in claim 1, further comprising:
 - a pair of buttons laterally aligned with, and located on opposite sides of, the roller.

Serial No. 09/933,220

Docket No. 10012237-1

5. (Previously Presented) A user interface as claimed in claim 1, further comprising:

a plurality of keys together defining a keyboard;
wherein the roller is located between the touch pad and the keyboard.

6. (Canceled)

7. (Original) A user interface as claimed in claim 1, wherein the sensor system includes a light sensor and a light source that emits light which passes through the roller.

8. (Canceled)

9. (Previously Presented) A user interface for use with a computer including a display, comprising:

an at least partially transparent roller;
a light source that emits light which passes through the roller;
a light sensor that receives reflected light;
a rotational motion sensor associated with the roller that senses rotational motion of the roller;
a touch pad, adjacent to the roller, adapted to move a pointer on the display; and
a control system, associated with the light source, light sensor and rotational motion sensor, the control system being operable in a first mode to enable operation of the light source, light sensor and rotation motion sensor and operable in a second mode to enable operation of the rotation motion sensor and disable operation of at least one of the light source and at least a portion of the light sensor.

10. (Canceled)

Serial No. 09/933,220

Docket No. 10012237-1

11. (Previously Presented) A user interface as claimed in claim 9, further comprising:

a button.

12. (Currently Amended) A user interface as claimed in claim 9, further comprising:

a pair of buttons laterally aligned with, and located on opposite sides of, the roller.

13. (Previously Presented) A user interface as claimed in claim 9, further comprising:

a plurality of keys together defining a keyboard;

wherein the roller is located between the touch pad and the keyboard.

14-15. (Canceled)

16. (Previously Presented) A computer system, comprising:

a display;

a user interface including an at least partially transparent roller and a touch pad, adjacent to the roller, adapted to move a pointer on the display;

an image sensor associated with the roller that senses an image of a fingerprint and generates fingerprint image data;

a rotational motion sensor associated with the roller that senses rotational motion of the roller and generates roller motion data; and

a control system associated with the image sensor and rotational motion sensor, the control system being operable in a first mode to convert the fingerprint image data and rotational motion data into data representative of the scanned fingerprint and operable in second mode to control an operation of the computer system in response to the roller motion data.

Serial No. 09/933,220

Docket No. 10012237-1

17. (Original) A computer system as claimed in claim 16, wherein the control system comprises at least one processor.

18. (Original) A computer system as claimed in claim 17, further comprising:
a computer housing in which the processor is located.

19. (Previously Presented) A computer system as claimed in claim 18, wherein the display is pivotably connected to the computer housing.

20. (Original) A computer system as claimed in claim 18, wherein the user interface is mounted on the computer housing.

21. (Canceled)

22. (Previously Presented) A computer system as claimed in claim 16, wherein the user interface includes right click and left click buttons and the touch pad is located between the right click and left click buttons and the roller.

23. (Currently Amended) A computer system as claimed in claim 16, wherein the user interface includes a plurality of keys together defining a keyboard and the roller is located between the touch pad and the keyboard.

24. (Original) A computer system as claimed in claim 16, wherein the image sensor comprises:

- a light source that emits light which passes through the roller; and
- a light sensor that receives light reflected through the roller.

25. (Previously Presented) A computer system as claimed in claim 24, wherein the control system disables at least one of the light source and at least a portion of the light sensor in the second mode.

Serial No. 09/933,220

Docket No. 10012237-1

26. (Original) A computer system as claimed in claim 16, wherein the operation of the computer system comprises a scrolling operation.

27-29. (Canceled)

30. (Previously Presented) A user interface as claimed in claim 1, further comprising:

right click and left click buttons;

wherein the touch pad is located between the right click and left click buttons and the roller.

31. (Previously Presented) A user interface as claimed in claim 9, further comprising:

right click and left click buttons;

wherein the touch pad is located between the right click and left click buttons and the roller.

32. (Previously Presented) A user interface as claimed in claim 1, wherein the roller comprises a scroll roller.

33. (Previously Presented) A user interface as claimed in claim 9, wherein the roller comprises a scroll roller.

34. (Previously Presented) A computer system as claimed in claim 16, wherein the second mode comprises a scroll mode.

35. (New) A computer system as claimed in claim 16, further comprising:
a pair of buttons laterally aligned with, and located on opposite sides of, the roller.